



Lanier Worldwide, Inc.
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Atlanta, GA 30345-2979
Emergency Telephone: (800) 526-4371

MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Information

Identity:	Black Print Cartridge for M3110 / 3120	MSDS No.	FX-061
Product ID:	491-0273	Issued:	07/13/00
		Supersedes:	12/01/98
Synonyms & Common Names:	Ink, Ink Cartridge, Print Cartridge	Date:	07/13/00
		Prepared by:	EH&S Department 770-493-9500
Uses:	Lanier 3110, 3120, 3750 Fax	Approved by:	Larry Choskey, EHS Manager
		European Contact:	Lanier Worldwide , WSM Europe, Walter Fricke, Im Taubental D-41468 Neuss, Germany +49-2131-387-177
Chemical Formula:	Liquid		

Section 2: Composition / Information on Ingredients

	PERCENT	CAS No.	EXPOSURE LIMITS	SOURCE
Water	85 - 95	7732-18-5	Not listed	n/a
Tetraethylene Glycol	1 - 2	112-60-7	Not listed	n/a
Glycerol	3 - 7	56-81-5	15mg/ m ³ (1) 10mg/ m ³ (1)	OSHA PEL ACGIH TWA
Black dye	1 - 3	Trade secret (2)	Not listed	N/a
Triethanolamine	.5 - 2	102-71-6	5mg/ m ³	n/a

(1) Mist only (2) New Jersey Trade Secret Registration no.: 80100451-5008p

Section 3: Hazards Identification

HMIS Rating:

FLAMMABILITY = 1
REACTIVITY = 0

HEALTH = 1
SPECIAL = none

Health Hazards

	Short Term Exposure	Long Term Exposure
Inhalation	Information on ink constituents indicates short-term harmful health effects are not expected from vapor generated during intended use at ambient conditions.	No adverse chronic effects known from vapor generated during intended use at ambient conditions.
Skin Contact	Tests on inks indicate low acute dermal toxicity. Tests indicate inks are not dermal sensitizers. Inks may be slightly irritating to skin.	No adverse chronic effects known.
Eye Contact	Tests on inks indicate slight conjunctival irritation.	No adverse chronic effects known.
Ingestion	Tests on inks indicate low acute oral toxicity. May cause GI discomfort.	No adverse chronic effects known.

Section 4: First Aid Measures

Inhalation:	Remove to fresh air if effects occur. Get medical attention if needed.	Eye Contact:	In case of contact, immediately flush eyes with water for 5 minutes. Get medical attention if needed.
Skin Contact:	Wash with soap and water.	Ingestion:	Dilute stomach contents with several glasses of water. Get medical attention.

Section 5: Fire Fighting Measures

Suitable extinguishing media: CO₂, dry chemical, foam or water.

Extinguishing media which may not be used for safety reasons: none

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This material will burn in case of fire. The decomposition products are CO, CO₂, and NO_x. Avoid inhalation of smoke.

Special protective equipment for fire fighters: none

UEL: n/a

LEL: n/a

Section 6: Accidental Release Measures

No special precaution.

Section 7: Handling and Storage

Special Handling: Cleanse skin after contact before breaks or meals, and end of workday.

Special Storage: Avoid direct sunlight. Keep out of reach of children. Store in a cool, dry place.

Section 8: Exposure Control and Personal Protection Information:

Respiratory Protection: none required under normal use.

Hand Protection: none required under normal use.

Eye Protection: none required under normal use.

Skin Protection: none required under normal use.

Section 9: Physical and Chemical Properties

CHARACTERISTICS:

Appearance:	Black	Freezing point:	18 ° F
Form:	Liquid	Vapor density: (air = 1)	Essentially water
Odor:	Slight odor	% Volatility:	89.7 %
Solubility in Water:	100% soluble	Evaporation rate:	1.4 µg/s @ 128°C
Pressurized?	No	Specific Gravity: (H ₂ O = 1)	1.03
pH	8.7	Boiling point:	208 ° F

Section 10: Stability and Reactivity

Conditions to avoid: none

Materials to avoid: none

Stability: Stable

Hazardous decomposition products: CO and CO₂ and other decomposition products when burned.

Section 11: Toxicological Information:

Ames test negative

Section 12: Environmental / Ecological Information

None

Section 13: Disposal Consideration

Waste ink should be disposed of under conditions that meet all federal, state and local environmental regulations. Disposal regulations vary from locality to locality; therefore consult your local Lanier office or the EPA to determine the proper method for disposal. Do not incinerate loose or spilled ink.

Section 14: Transportation Information

None. This is not a hazardous product.

Section 15: Regulatory Information

none

Section 16: Miscellaneous Information

Judgment as to the suitability of information contained herein for user's purposes is the responsibility of the purchaser. Therefore, although reasonable care has been taken in the preparation of this information, Lanier Worldwide, Inc. extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to user's intended purposes or for consequences of its use. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we do not guarantee that these are the only hazards that exist.

Information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. On the basis of the data available to us, this product is not a dangerous substance. One should, however, observe the usual precautionary measures for dealing with chemicals.